

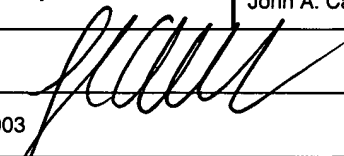
Please type a plus sign (+) inside this box → ☐

HD. SB/21 based on PTO/SB/21 (08-00)

2819
B

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Applicati n Number	10/059,270
	Filing Date	January 31, 2002
	First Named Invent r	Claus E. FURST
	Group Art Unit	2819
	Examiner Name	Patrick Wamsley
	Attorney Docket Number	45900-000548/US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Letter to the Official Draftsperson and () Sheets of Formal Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> LETTER SUBMITTING APPEAL BRIEF AND APPEAL BRIEF (w/clean version of pending claims) <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Drawing Correction Approval Request w/ 1 sheet of drawings FORM PTO 1449/4 REFS
<div style="display: flex; justify-content: space-between;"> <div>Remarks</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> RECEIVED APR 18 2003 TECHNOLOGY CENTER 2800 </div> </div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name John A. Castellano	Reg. No. 35,094
Signature			
Date	April 16, 2003		

FEE TRANSMITTAL
for FY 2003

Patent fees are subject to annual revision.



Complete if Known

Application Number	10/059,270
Filing Date	January 31, 2002
Inventor(s)	Claus E. FURST
Examiner Name	Patrick Wamsley
Group / Art Unit	2819
Attorney Docket No.	45900-000548/US

TOTAL AMOUNT OF PAYMENT (\$) 390.00

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

08-0750

Deposit
Account
Name

Harness, Dickey & Pierce, P.L.C.

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17
☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	750	201	375	Utility filing fee	
106	330	206	165	Design filing fee	
107	520	207	260	Plant filing fee	
108	750	208	375	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	0	X	0
Independent Claims	0	X	0
Multiple Dependent		X	0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	110.00
116	410	216	205	Extension for reply within second month	
117	930	217	465	Extension for reply within third month	
118	1,450	218	725	Extension for reply within fourth month	
128	1,970	228	985	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
142	1300	242	650	Utility issue fee (or reissue)	
143	470	243	235	Design issue fee	
144	630	244	315	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
126	180	126	180	Submission of Information Disclosure Stmt	180.00
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	750	246	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	750	249	375	For each additional invention to be examined (37 CFR § 1.129(b))	
179	750	279	375	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					(\$)390.00

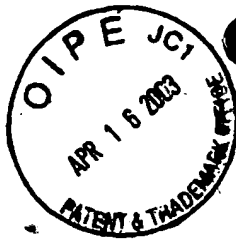
SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	John A. Castellano	Registration No. Attorney/Agent	35,094	Telephone	703-668-8000
Signature				Date	April 16, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PATENT
45900-000548/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Claus E. FURST

SERIAL NO.: 10/059,270

GROUP: 2819

FILED: January 31, 2002

EXAMINER: Patrick Wamsley

FOR: SIGMA DELTA MODULATOR HAVING ENLARGED DYNAMIC
RANGE DUE TO STABILIZED SIGNAL SWING (As Amended)

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

April 16, 2003

Dear Sir:

Responsive to the Official Action dated December 16, 2002, the period for responding having been extended one (1) month to April 16, 2003, the following amendments and remarks are respectfully submitted in connection with the above-referenced application.

IN THE TITLE

✓ Please delete the title in its entirety, and replace with the following:

--SIGMA DELTA MODULATOR HAVING ENLARGED DYNAMIC RANGE

DUE TO STABILIZED SIGNAL SWING--

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